

SEQUENCE LISTING

<110> Fraser, Douglas
St. Gallay, Steven

<120> Human Homologue of Bovine Neuroendocrine Secretory Protein, NESP55,
Polynucleotides and Uses Thereof Linked With Obesity

<130> KNI-004CPUS

<140> 10/031,841

<141> 2002-01-22

<150> PCT/EP00/06921

<151> 2002-07-20

<150> GB 9917165.4

<151> 1999-07-22

<160> 14

<170> FastSEQ for Windows Version 4.0

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<212> DNA

<213> Homo sapiens

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Gln Gln Trp Arg Arg Ala Arg His Asn Tyr Asn Asp Leu Cys Pro Pro	
20 25 30	

ata ggc cgc cgg gca gcc acc gcg ctc ctc tgg ctc tcc tgc tcc atc	143
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gcg ctc ctc cgc gcc ctt gcc acc tcc aac gcc cgt gcc cag cag cgc	191
Ala Leu Leu Arg Ala Leu Ala Thr Ser Asn Ala Arg Ala Gln Gln Arg	
50 55 60	

gcg gct gcc caa cag cgc cgg agc ttc ctt aac gcc cac cac cgc tcc	239
Ala Ala Ala Gln Gln Arg Arg Ser Phe Leu Asn Ala His His Arg Ser	
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ggc gcc cag gta ttc cct gag tcc ccc gaa tcg gaa tct gac cac gag	287
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80 85 90 95	

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gag gaa gag ttc gac tac gag acc gag agc gag acc gag tcc gaa atc 383
 Glu Glu Glu Phe Asp Tyr Glu Thr Glu Ser Glu Thr Glu Ser Glu Ile
 115 120 125

gag tcc gag acc gac ttc gag acc gag cct gag acc gcc ccc acc act 431
 Glu Ser Glu Thr Asp Phe Glu Thr Glu Pro Glu Thr Ala Pro Thr Thr
 130 135 140

gag ccc gag acc gag cct gaa gac gat cgc ggc ccg gtg gtg ccc aag 479
 Glu Pro Glu Thr Glu Pro Glu Asp Asp Arg Gly Pro Val Val Pro Lys
 145 150 155

cac tcc acc ttc ggc cag tcc ctc acc cag cgt ctg cac gct ctc aag 527
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 160 165 170 175

ttg cga agc ccc gac gcc tcc cca agt cgc gcg ccg ccc agc act cag 575
 Leu Arg Ser Pro Asp Ala Ser Pro Ser Arg Ala Pro Pro Ser Thr Gln
 180 185 190

gag ccc cag agc ccc agg gaa ggg gag gag ctc aag ccc gag gac aaa 623
 Glu Pro Gln Ser Pro Arg Glu Gly Glu Glu Leu Lys Pro Glu Asp Lys
 195 200 205

gat cca agg gac ccc gaa gag tcg aag gag ccc aag gag gag aag cag 671
 Asp Pro Arg Asp Pro Glu Glu Ser Lys Glu Pro Lys Glu Glu Lys Gln
 210 215 220

cgg cgt cgc tgc aag cca aag aag ccc acc cgc cgt gac gcg tcc ccg 719
 Arg Arg Arg Cys Lys Pro Lys Lys Pro Thr Arg Arg Asp Ala Ser Pro
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gag tcc cct tcc aaa aag gga ccc atc ccc atc cgg cgt cac 761
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 20 25 30
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 35 40 45
 Leu Leu Arg Ala Leu Ala Thr Ser Asn Ala Arg Ala Gln Gln Arg Ala
 50 55 60
 Ala Ala Gln Gln Arg Arg Ser Phe Leu Asn Ala His His Arg Ser Gly
 65 70 75 80
 Ala Gln Val Phe Pro Glu Ser Pro Glu Ser Glu Ser Asp His Glu His
 85 90 95
 Glu Glu Ala Asp Leu Glu Leu Ser Leu Pro Glu Cys Leu Glu Tyr Glu
 100 105 110
 Glu Glu Phe Asp Tyr Glu Thr Glu Ser Glu Thr Glu Ser Glu Ile Glu
 115 120 125
 Ser Glu Thr Asp Phe Glu Thr Glu Pro Glu Thr Ala Pro Thr Thr Glu
 130 135 140
 Pro Glu Thr Glu Pro Glu Asp Asp Arg Gly Pro Val Val Pro Lys His
 145 150 155 160
 Ser Thr Phe Gly Gln Ser Leu Thr Gln Arg Leu His Ala Leu Lys Leu
 165 170 175
 Arg Ser Pro Asp Ala Ser Pro Ser Arg Ala Pro Pro Ser Thr Gln Glu
 180 185 190
 Pro Gln Ser Pro Arg Glu Gly Glu Glu Leu Lys Pro Glu Asp Lys Asp
 195 200 205
 Pro Arg Asp Pro Glu Glu Ser Lys Glu Pro Lys Glu Glu Lys Gln Arg
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 Ser Pro Ser Lys Lys Gly Pro Ile Pro Ile Arg Arg His
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<223> Xaa = indicates any amino acid, which may or may not be
present

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Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
20 25 30
Ala Leu Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
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<223> Xaa = indicates any amino acid, which may or may not be

present

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Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Gly Pro
20 25 30
Ile Pro Ile Arg Arg His Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
35 40 45
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
50 55 60
Xaa Xaa Xaa Xaa
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<210> 13

<211> 11

<212> PRT

<213> Homo sapiens

<400> 13

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1 5 10

<210> 14

<211> 11

<212> PRT

<213> Bovine Sp.

<400> 14

Glu Arg Leu Ser Ala Leu Arg Leu Arg Ser Pro
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